

REMARKS/ARGUMENTS

Claims 1-6 are pending in the application; reexamination and reconsideration are hereby requested.

Claims 1-6 were rejected as unpatentable over Rashkovskiy in view of Murphy. The Examiner cited Rashkovskiy for the Bayer pattern interpolation and added Murphy col.47, ln.60 to col.48, ln.6 for clamping interpolation.

Applicants reply that independent claims 1, 4, and 6 require the four neighbor green pixel values determine the clamping. In contrast, Murphy has two increments and moves for evaluations which repeatedly add the increment; and because the repeated addition of the increment is unbounded, Murphy clamps to a preset range. Thus the clamping of Murphy combined with Rashkovskiy does not suggest independent claims 1, 4, or 6.

In fact, the "linear interpolation" of Murphy looks like linear extrapolation. For interpolation the values of the extreme positions are already known and intermediate positions are evaluated; in contrast, for linear extrapolation the values increase by repeated additions of the increment as the position moves. This is the case in Murphy col.47, ln.7-col.48, ln.2: "... two increment values are needed ... one to move along the dominant edge and one to move across the span to the subordinate edge." And this explains Murphy's clamping to avoid the values "... underflow or overflow the permitted color range ..." because there is no bound as an increment is repeatedly added.

Consequently, the references do not suggest the claims.

Respectfully submitted,



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